

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES REPLACING THE EXISTING E/B RED SIGNAL AHEAD STRUCTURE AND LED SIGN. US 50 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION IS EQUIPPED WITH A EIGHT PHASE FULLY-TRAFFIC-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET. THIS INTERSECTION WILL OPERATE IN A NEMA SIX (6) PHASE FULLY-TRAFFIC-ACTUATED MODE WITH BOTH EASTBOUND AND WESTBOUND US 50 MOVEMENTS OPERATING CONCURRENTLY. NORTHBOUND AND SOUTHBOUND MD 213 MOVEMENTS WILL OPERATE AS SIDE STREET SPLITS. SOUTHBOUND MD 213 WILL BE SERVED FIRST ON THE SIDE ROAD.

THE CONTACT PERSONS FOR DISTRICT #2 ARE AS FOLLOWS:

Mr. Robert Klei
Assistant District Engineer - Traffic
Phone: 410-810-3240

Mr. Barry Clothier
District Utility Engineer
Phone: 410-810-3275

Mr. Terry Wright
Assistant District Engineer - Maintenance
Phone: 410-810-3250

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

THE CONTACT PERSONS FOR CONECTIV

Mr. Eugene Messick
P.O. Box 159
Centerville, MD 21617
Phone: 410-758-4101

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EACH	CABINET 'C' TYPE POLE MOUNT
9005	16 S.F.	SHEET ALUMINUM SIGNS 1 EACH - W3-3 SIGN (48"x48") POLE MOUNT
9012	1 EACH	2 CIRCUIT FLASHER

EQUIPMENT LIST 'B'

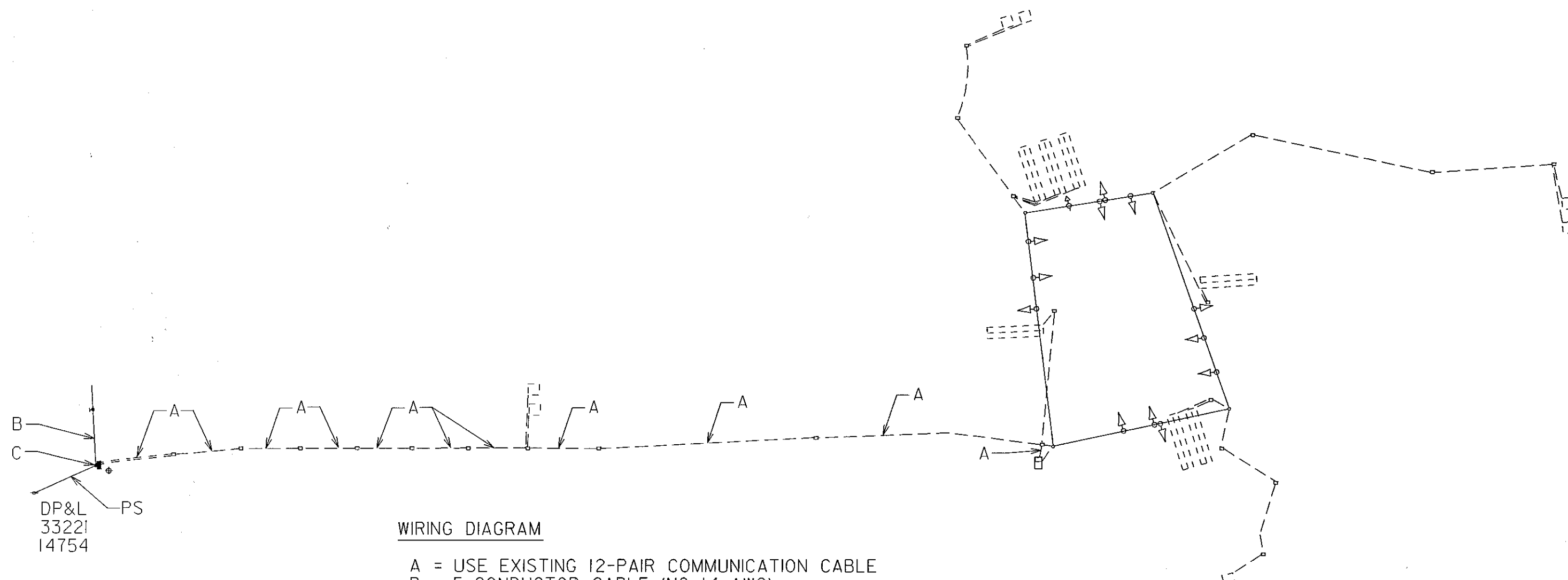
B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8020	1 EACH	F&I CONTROL AND DISTRIBUTION EQUIPMENT FOR SIGNAL
8031	1 EACH	F&I PHOTOCELL
8047	1 EACH	REMOVE AND DISPOSE FOUNDATION 12 INCH BELOW GRADE
8048	1 EACH	REMOVE AND DISPOSE MATERIAL AND EQUIPMENT
8051	50 L.F.	3 INCH PVC SCHEDULE 80 CONDUIT - TRENCHED
8057	5 C.Y.	F&I CONCRETE FOR SIGNAL FOUNDATION
8060	20 L.F.	F&I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8075	16 S.F.	INSTALL OVERHEAD SIGN
8080	1 EACH	F&I GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
8083	35 L.F.	F&I ELECTRICAL CABLE - 3 CONDUCTOR (NO.14 AWG)
8084	60 L.F.	F&I ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
8092	1 EACH	INSTALL CONTROLLER AND CABINET - POLE MOUNT
NEG.	1 EACH	F&I MAST ARM POLE (60 FT. SERIES) WITH 22 FT. T DIMENSION AND 35 FT. BUTT SECTION ONLY
NEG.	50 L.F.	PULL AND BACK AND RE-ROUTE INTERCONNECT CABLE
NEG.	1 EACH	F & I 60"x60" RED SIGNAL AHEAD SIGN

EQUIPMENT LIST 'C'

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ITEM NO.	QUANTITY	DESCRIPTION
NONE		
ALL REMOVED MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR		



WIRING DIAGRAM

A = USE EXISTING 12-PAIR COMMUNICATION CABLE
B = 5-CONDUCTOR CABLE (NO. 14 AWG)
C = 3-CONDUCTOR CABLE (NO. 14 AWG)
PS = OVERHEAD POWER SERVICE

PHASE CHART

NO CHANGE IN CURRENT OPERATION



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION
US 50 AND MD 213



STV Incorporated
engineers / architects / planners / scientists / construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

DRAWN BY: <u>AMT</u>	F.A.P. NO. <u>0A251153155</u>	SEE TITLE SHEET	TS NO. <u>1411</u>	SHEET NO. <u>2 OF 2</u>
CHECKED BY: <u>MTS</u>	S.H.A. NO. <u>0A251153155</u>	COUNTY: <u>QUEEN ANNE'S</u>	T.I.M.S. NO. <u>F389</u>	
SCALE: <u>NONE</u>	LOG MILE: <u>17005017.30</u>			
DATE: <u>11/02</u>				